ART 34 AMDT

CLAIMS

1. An apparatus (100) for loading computer code comprising:

a card interface (120) capable of distinguishing between a conventional integrated circuit card and a memory card (104);

a memory card (104) comprising a memory unit (114) and a memory unit controller (116); and

a computer controlled device memory unit (110) for storing a first computer code (124) that is downloaded from the memory unit (114) of the memory card (104).

2. The apparatus of claim 1 wherein a second computer code (122) stored in the computer controlled device memory unit is updated by the first computer code (124) stored in the memory unit (114) of the memory card (104).

3. The apparatus of claim 1 wherein said memory card (104) comprises at least one high speed data port (128).

4. The apparatus of claim 3 wherein the at least one high speed data port (128) is used to transmit the first computer code (124) from the memory card memory unit (114) to the computer controlled device memory unit (110).

5. The apparatus of claim 1 wherein said card interface comprises:

means for producing a first signal (208) that is coupled to an integrated circuit card connection (118); and

means for analyzing a second signal that is produced by a memory card in response to said first signal (210).

6. The apparatus of claim 5 wherein said second signal is not produced by integrated circuit cards that are not memory cards.

7. The apparatus of claim 5 wherein said card interface (120) applies said first signal to a clock signal connector of said integrated circuit card connection (118) and receives said second signal on a data input/output signal connector of said integrated circuit card connection (118).

8. The apparatus of claim 1 wherein said card interface (120) further comprises at least one high speed data path (128) with said memory card (104).

9. The apparatus of claim 1 wherein said card interface (120) further comprises :

means for transferring computer code from said memory card to said computer controlled device memory unit (108).

10. The apparatus of claim 1 wherein said card interface (120) further comprises:

means for accepting or rejecting the computer code for transference from said memory card to said computer controlled device memory unit (218).

11. A method of loading computer code in a computer controlled device comprising the steps of:

identifying whether an integrated circuit card is a memory card or a conventional integrated circuit card (212); and,

transferring the computer code through a high speed data port of a memory card into said computer controlled device (222).

12. The method of claim 11wherein said identifying step further comprises the steps of:

applying a first signal to said memory card (208); and

analyzing a second signal produced by said memory card in response to said first signal to determine if said integrated circuit card is a memory card (210).

13. The method of claim 12 wherein said transferring step further comprises:

activating an NRSS interface (216).

14. The method of claim 11 further comprises:

analyzing a header of said computer code to determine the validity of the computer code (218).

15. The method of claim 11, further comprising toggling a reset signal.

16. The method of claim 15, further comprising said memory card monitoring a clock input terminal for said first signal in response to said toggled reset signal.

17. The method of claim 16, wherein said memory card generates said second signal in response to detection of said first signal.

18. An apparatus (100) for updating computer code for controlling a computer controlled device, said apparatus comprising:

a card interface (120) capable of distinguishing between a conventional integrated circuit card and a memory card (104);

a memory card (104) comprising a memory unit (114) and a memory unit controller (116); and

a computer controlled device memory unit (110) for storing a first computer code (124) that is downloaded from the memory unit (114) of the memory card (104);

wherein said computer controlled device is programmed by said first computer code (124) that is downloaded from the memory unit (114) of the memory card (104).